

Title (en)  
NOVEL HUMAN CALCIUM SENSITIVE POTASSIUM CHANNEL SUBUNITS

Title (de)  
NEUE UNTEREINHEITEN EINES KALZIUM-SENSITIVEN KALIUMKANALS

Title (fr)  
NOUVELLES SOUS-UNITES HUMAINES DU CANAL POTASSIQUE SENSIBLE AU CALCIUM

Publication  
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Application  
**EP 00950422 A 20000718**

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Abstract (en)  
[origin: WO0105828A1] The present invention is directed to novel human DNA sequences encoding calcium sensitive potassium channel subunits beta 2, beta 3a, beta 3b, beta 3c, and beta 3d, the proteins encoded by the DNA sequences, vectors comprising the DNA sequences, host cells containing the vectors, and methods of identifying inhibitors and agonists of calcium sensitive potassium channels containing human beta 2, beta 3a, beta 3b, beta 3c, or beta 3d subunits and inhibitors and agonists of beta 3 gene transcription.

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Citation (search report)  
• [X] WALLNER M ET AL: "Molecular basis of fast inactivation in voltage and Ca<sup>2+</sup>-activated K<sup>+</sup> channels: a transmembrane beta-subunit homolog.", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. UNITED STATES 30 MAR 1999, vol. 96, no. 7, 30 March 1999 (1999-03-30), pages 4137 - 4142, XP002929504, ISSN: 0027-8424  
• [T] UEBELE V N ET AL: "Cloning and functional expression of two families of beta-subunits of the large conductance calcium-activated K<sup>+</sup> channel.", THE JOURNAL OF BIOLOGICAL CHEMISTRY. UNITED STATES 28 JUL 2000, vol. 275, no. 30, 28 July 2000 (2000-07-28), pages 23211 - 23218, XP002236231, ISSN: 0021-9258  
• See references of WO 0105828A1

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